

**Translation**

**PATENT COOPERATION TREATY**

PCT/JP2003/006954



**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

|  |   |   |
|--|---|---|
| Applicant's or agent's file reference<br><b>N03049-PCT</b>   | <b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416   |   |
| International application No.<br><b>PCT/JP2003/006954</b>  | International filing date ( <i>day/month/year</i> )<br><b>02 June 2003 (02.06.2003)</b> | Priority date ( <i>day/month/year</i> ) |
| International Patent Classification (IPC) or national classification and IPC<br><b>A44B 19/40, 19/52</b> |   |   |
| Applicant<br><b>YKK CORPORATION</b>  |   |   |

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|--|--|
| <p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> |  |
| <p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>  |  |

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|--|--|
| Date of submission of the demand<br><b>12 November 2004 (12.11.2004)</b> | Date of completion of this report<br><b>16 May 2005 (16.05.2005)</b> |
| Name and mailing address of the IPEA/JP                                  | Authorized officer   |
| Facsimile No.  | Telephone No.  |

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/006954

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ The international application as originally filed/furnished
- ☐ the description:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the claims:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_, as amended (together with any statement) under Article 19
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the drawings:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/06954

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

|                               |        |               |     |
|-------------------------------|--------|---------------|-----|
| Novelty (N)                   | Claims | 2-10          | YES |
|                               | Claims | 1, 11, 12     | NO  |
| Inventive step (IS)           | Claims | 3-5, 7, 8     | YES |
|                               | Claims | 1, 2, 6, 9-12 | NO  |
| Industrial applicability (IA) | Claims | 1-12          | YES |
|                               | Claims |               | NO  |

## 2. Citations and explanations

Document 1: JP 2-283306 A (Yoshida Kogyo Kabushiki Kaisha), 20 November 1990

Document 2: Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 42146/1989 (Laid-open No. 132419/1990), (Yoshida Kogyo Kabushiki Kaisha), 02 November 1990

Document 3: JP 9-234103 A (YKK Corp.), 09 September 1997

Document 4: JP 8-228813 A (YKK Corp.), 10 September 1996

Document 5: JP 46-7018 B (Yoshida Kogyo Kabushiki Kaisha), 22 February 1971

Document 6: JP 11-187909 A (YKK Corp.), 13 July 1999

Claims 1, 11 and 12

The invention that is set forth in claims 1, 11 and 12 lacks novelty in the light of any of the inventions that are disclosed in documents 1 to 5 cited in the international search report. Documents 1 to 5 all disclose concealed knitted/woven slide fasteners that are equipped with a plurality of fixing threads for fixing the fastener element to the fastener element mounting part, wherein the plurality of fixing threads are knitted or woven to said mounting part.

Furthermore, it would be obvious to a person skilled in the art to configure the dimensions of the covered portions of each element and the dimensions of the uncovered portions of each element with consideration of the mounting strength, the spacing and the like.

#### Claims 2 and 9

The feature of configuring so that the thickness of the fixing threads is greater than the thickness of the other threads which constitute the fastener tape is disclosed in document 6 cited in the international search report.

Consequently, the invention that is set forth in claims 2 and 9 does not involve an inventive step in the light of document 6 and any of documents 1 to 5 cited in the international search report.

#### Claims 6 and 10

The feature wherein the threads which constitute the element mounting portion of the fastener tape exhibit a dry thermal contraction coefficient of 10-30%, while the threads that constitute the main body part of the fastener tape exhibit a dry thermal contraction coefficient of 3-10% is disclosed in document 6 cited in the international search report.

Consequently, the invention that is set forth in claims 6 and 10 does not involve an inventive step in the light of document 6 and any of documents 1 to 5 cited in the international search report.

#### Claims 3 to 5, 7 and 8

The invention that is set forth in claims 3 to 5, 7 and 8 is novel and involves an inventive step in relation to the documents that are cited in the international search report.